

UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.		02716.0005.NPUS01
	First Inventor		Rasmus B. Jensen
	Title	PROTEORHODOPSIN MUTANTS WITH IMPROVED OPTICAL CHARACTERISTICS	
	Express Mail		EL615430555US

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

ADDRESS TO:

Commissioner for Patents

Box Patent Application

P.O. Box 1450, Alexandria, VA 22213-1450

1. ☒ Fee Transmittal Form (PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 51]
(preferred arrangement set forth below)
-Descriptive title of the invention
-Cross reference to Related Applications
-Statement Regarding Fed Sponsored R & D
-Reference to sequence listing, a table,
or a computer program listing appendix
-Background of the Invention
-Brief Summary of the Invention
-Detailed Description
-Claim(s)
-Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 106]
5. ☒ Oath or Declaration [Total Pages 3]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuational divisional with Box 17 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. ☒ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☒ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☒ paper
c. ☒ Statements verifying identity of above copies

031088 U.S. PTO
10/724264

112603

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:


☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /

Prior application information: Examiner Group I Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label  or ☐ Correspondence address below

Name	Howrey Simon Arnold & White, LLP				
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NAME (Print/Type)	Viola T. Kung, Reg. No. 41,131		
Signature		Date	Nov. 26, 2003



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PTO/SB/17 (09-00)

Approved for use through 10/31/2000. OMB 0651-003
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FEE TRANSMITTAL For FY 2004

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$1372.00)

Complete If Known

Application Number	Not Yet Assigned
Filing Date	November 26, 2003
First Named Inventor	Rasmus B. Jensen
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	02716.0005.NPUS01

METHOD OF PAYMENT		FEE CALCULATION (continued)	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:		3. ADDITIONAL FEES	
Deposit Acct. No. 08-3038		Large Fee Entity Fee Small Fee Entity Fee Fee Description Fee Paid	
Deposit Account Name Howrey Simon Arnold & White, LLP		105 130 205 65 Surcharge - late filing fee or oath	
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17		127 50 227 25 Surcharge - late provisional filing fee or cover sheet	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		139 130 139 130 Non-English specification	
2. <input type="checkbox"/> Payment Enclosed:		147 2,520 147 2,520 For filing a request for ex parte reexamination	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other		112 920* 112 920* Requesting publication of SIR prior to Examiner action	
FEE CALCULATION		113 1,840* 113 1,840* Requesting publication of SIR after Examiner action	
1. BASIC FILING FEE		115 110 215 55 Extension for reply within first month	
Large Fee Code Entity Fee (\$) Small Fee Code Entity Fee (\$) Fee Description Fee Paid		116 420 216 210 Extension for reply within second month	
101 770 201 385 Utility filing fee 770.00		117 950 217 475 Extension for reply within third month	
106 340 206 170 Design filing fee		118 1,480 218 740 Extension for reply within fourth month	
107 530 207 265 Plant filing fee		128 2,010 228 1,005 Extension for reply within fifth month	
108 770 208 385 Reissue filing fee		119 330 219 165 Notice of Appeal	
114 160 214 80 Provisional filing fee		120 330 220 165 Filing a brief in support of an appeal	
SUBTOTAL (1) (\$)		121 290 221 145 Request for oral hearing	
2. EXTRA CLAIM FEES		138 1,510 138 1,510 Petition to institute a public use proceeding	
Total Claims 23 -20** = 3 X 18.00 = 54		140 110 240 55 Petition to revive - unavoidable	
Independent Claims 6 - 3** = 3 X 86.00 = 258		141 1,330 241 665 Petition to revive - unintentional	
Multiple Dependent 290.00 = 290		142 1,330 242 665 Utility issue fee (or reissue)	
Large Fee Code Entity Fee (\$) Small Fee Code Entity Fee (\$) Fee Description Fee Paid		143 480 243 240 Design issue fee	
103 18 203 9 Claims in excess of 20		144 640 244 320 Plant issue fee	
102 86 202 43 Independent claims in excess of 3		122 130 122 130 Petitions to the Commissioner	
104 290 204 145 Multiple dependent claim, if not paid		123 50 123 50 Petitions related to provisional applications	
109 86 209 43 ** Reissue independent claims over original patent		126 180 126 180 Submission of Information Disclosure Stmt	
110 18 210 9 ** Reissue claims in excess of 20 and over original patent		581 40 581 40 Recording each patent assignment per property (times number of properties)	
SUBTOTAL (2) (\$602.00)		146 770 246 385 Filing a submission after final rejection (37 CFR § 1.129(a))	
**or number previously paid, if greater; For Reissues, see above		149 770 249 385 For each additional invention to be examined (37 CFR § 1.129(b))	
		179 770 279 385 Request for Continued Examination (RCE)	
		169 900 169 900 Request for expedited examination of a design application	
		Other fee (specify) _____	
		* Reduced by Basic Filing Fee Paid	
		SUBTOTAL (3) (\$)	

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Viola T. Kung	Registration No. (Attorney/Agent)	41,131
Signature		Telephone	650-463-8181
		Date	Nov. 26, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.